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## JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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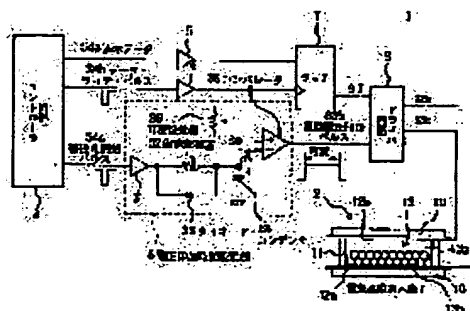
KAWAI HIDEYUKI

(54) ELECTROPHORETIC DISPLAY DEVICE

(57)Abstract:

**PURPOSE:** To provide a device capable of lessening the processing load to be spent for controlling the impression of voltage driving of an external controller.

**CONSTITUTION:** The charges accumulated in a capacitor 34 are discharged instantaneously when a rewriting start pulse signal S4c falls. The occurrence of a potential difference above the prescribed value between a point A and a point B is detected by a comparator 35 and a driving voltage impression pulse signal S35 rises. The rewriting start pulse signal S4c rises thereafter and the charges are gradually accumulated in the capacitor 34, by which the potential of the point A is risen. The driving voltage impression pulse signal S35 falls when the rise of the potential at the point A up to the specified value or above is detected by the comparator 35.



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